

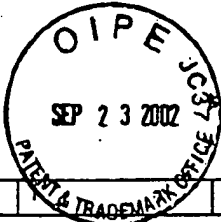

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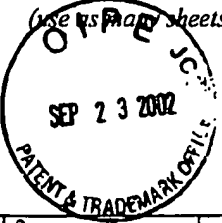
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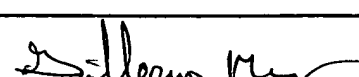
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/024,120
				Filing Date	December 17, 2001
				First Named Inventor	Gleb V. KLIMOVITCH
				Group Art Unit	2681
				Examiner Name	Not Yet Assigned
Sheet		of	2	Attorney Docket Number	A-70184/RMA (463438-12)
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	U.S. Patent Document	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Gm	A1	5,282,222	FATTOUCHE et al.	01-25-1994	RECEIVED SEP 25 2002 Technology Center 2600
Gm	B1	5,305,353	WEERACKODY	04-19-1994	
Gm	C1	5,548,582	BRAJAL et al.	08-20-1996	
Gm	D1	5,592,490	BARRATT et al.	01-07-1997	
Gm	E1	5,768,268	KLEIN et al.	06-16-1998	
Gm	F1	5,960,039	MARTIN et al.	09-28-1999	
Gm	G1	6,058,105	HOCHWALD et al.	05-02-2000	
Gm	H1	6,088,408	CALDERBANK et al.	07-11-2000	
Gm	I1	6,285,720	B1 MARTONE	09-04-2001	
Gm	J1	09/678,420	A MARTONE	10-2-2000	
Gm	K1	09/945,134	A MARTONE	08-31-2001	
OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	TRANSLATION		
			YES	NO	
Gm	L1	ALMEIDA, L.B., "The Fractional Fourier Transform and Time-Frequency Representations," <i>IEEE Transactions on Signal Processing</i> , Vol. 42, No. 11, pp. 3084-3091, November 1994.			
Gm	M1	BAHAI, R.S. et al., "Chapter 2 - System Architecture", <i>MultiCarrier Digital Communication</i> , Plenum Publishers, New York, 1999, pp. 17-39.			
Gm	N1	DIJKERMAN et al., "Wavelet Representations of Stochastic Processes and Multiresolution Stochastic Models", <i>IEEE Transactions on Signal Processing</i> , Vol. 42, No. 7, July 1994, pp. 1640-1652.			
Gm	O1	DOROSLOVACKI et al., "Wavelet-Based Linear System Modeling and Adaptive Filtering", <i>IEEE Transactions on Signal Processing</i> , Vol. 44, No. 5, May 1996, pp. 1156-1167.			
Gm	P1	FORNEY, G. D., "Maximum-Likelihood Sequence Estimation of Digital Sequences in the Presence of Intersymbol Interference", <i>IEEE Transactions on Information Theory</i> , Vol. IT-18, No. 3, May 1972, pp. 363-378.			
Gm	Q1	FOSCHINI, G.J., "Layered Space-Time Architecture for Wireless Communication in a Fading Environment When Using Multiple Antenna Elements," <i>Bell Labs Tech. J.</i> , Vol. 1, No. 2, pp. 41-59, 1996.			
Gm	R1	GIANNAKIS et al., "Basis Expansion Models and Diversity Techniques for Blind Identification and Equalization of Time-Varying Channels", <i>Proceedings of the IEEE</i> , Vol. 86, No. 10, October 1998, pp. 1969-1986.			
Examiner Signature			Date Considered		
			3/18/05		

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OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS				
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			YES	NO
Gm	S1	KUTAY, M.A. et al., "Optimal Filtering in Fractional Fourier Domains," <i>IEEE Transactions on Signal Processing</i> , Vol. 45, pp. 1129-1143, May 1997.		
Gm	T1	MARTONE, M., "Cumulant-Based Adaptive Multichannel Filtering for Wireless Communication Systems with Multipath RF Propagation Using Antenna Arrays," <i>IEEE Transactions on Vehicular Technology</i> , Vol. 47, No. 2, May 1998, pp. 377391.		
Gm	U1	MARTONE, M., "An Adaptive Algorithm for Antenna Array Low-Rank Processing in Cellular TDMA Base Stations," <i>IEEE Transactions on Communications</i> , Vol. 46, No. 5, May 1998, pp. 627-643.		
Gm	V1	MARTONE, M., "On MMSE Real-Time Antenna Array Processing Using Fourth-Order Statistics in the U.S. Cellular TDMA System," <i>IEEE Journal on Selected Areas in Communications</i> , Vol. 16, No. 8, October 1998, pp. 1396-1410.		
Gm	W1	OZATAKAS, H.M. et al., "Digital Computation of the Fractional Fourier Transform," <i>IEEE Transactions on Signal Processing</i> , Vol. 44, pp. 2141-2150, September 1996.		
Gm	X1	PROAKIS, J.G., "Chapter 10-Communication Through Band-Limited Linear Filter Channels", <i>Digital Communications</i> , Third Edition, McGraw Hill, pp. 583-601.		
Gm	Y1	RIOUL, O., "A Discrete-Time Multiresolution Theory", <i>IEEE Transactions on Signal Processing</i> , Vol. 41, No. 8, August 1993, pp. 2591-2606.		
Gm	Z1	STRANG et al., "Chapter 3-The Noble Identities", <i>Wavelets and Filterbanks</i> , Wellesley-Cambridge Press, 1996, pp. 100-102.		
Gm	A2	STRANG et al., "Chapter 6-Multiresolution", <i>Wavelets and Filterbanks</i> , Wellesley-Cambridge Press, 1996, pp. 174-219.		
Gm	B2	VAN NEE, R. et al., "Chapter 5 - Coherent and Differential Detection", <i>OFDM for Wireless Multimedia Communications</i> , Artech House Publishers, Boston and London, 2000, pp. 95-117.		
Gm	C2	ZHANG et al., "A Wavelet-Based KL-Like Expansion for Wide-Sense Stationary Random Processes", <i>IEEE Transactions on Signal Processing</i> , Vol. 42, No. 7, July 1994, pp. 1737-1745.		
	D2			
Examiner Signature			Date Considered	3/18/05

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